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a center casing having approximately the same outside diameter as said motor housing and a bearing for supporting said pinion drive shaft at the other end, said center housing being disposed between said motor housing and said front housing for aligning said motor shaft, said planetary gear speed reduction mechanism and said pinion drive shaft,; wherein

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2. The starter as claimed in claim 1, wherein said difference is larger than a maximum outside diameter of a socket wrench.

3. The starter as claimed in claim 2, further comprising an end frame having a plurality of radially projecting fixing portions disposed away from said fastening holes so as not to obstruct said socket wrench.

4. The starter as claimed in claim 1, wherein said first outside diameter of said motor housing is between 100 mm and 118 mm, and

said planetary gear speed reduction mechanism has a speed reduction ratio between 3.8 and 4.4.

5. The starter further comprising a dust seal disposed between said front housing and said center housing.

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